

STN

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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 10 Time limit for inactive STN sessions doubles to 40
minutes
NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source
(CS) field
NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5 AUG 24 CA/CAPLUS enhanced with legal status information for
U.S. patents
NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in
CAS REGISTRY
NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM
thesaurus
NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and
Taiwanese Content Expanded
NEWS 9 OCT 21 Derwent World Patents Index enhanced with human
translated claims for Chinese Applications and
Utility Models
NEWS 10 OCT 27 Free display of legal status information in CA/CAPLUS,
USPATFULL, and USPAT2 in the month of November.

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:20:40 ON 05 NOV 2009

Updated Search

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=> file reg	SINCE FILE	TOTAL
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FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 18:21:05 ON 05 NOV 2009
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STRUCTURE FILE UPDATES: 4 NOV 2009 HIGHEST RN 1191231-18-1
DICTIONARY FILE UPDATES: 4 NOV 2009 HIGHEST RN 1191231-18-1

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TSCA INFORMATION NOW CURRENT THROUGH June 26, 2009.

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=>
Uploading C:\Documents and Settings\brobinson1\My Documents\e-Red
Folder\waweaewsr.str

L1 STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 18:25:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 19113 TO ITERATE

10.5% PROCESSED	2000 ITERATIONS	0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)		
SEARCH TIME: 00.00.01		

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 373980 TO 390540
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 185.40 U.S. DOLLARS
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FULL SEARCH INITIATED 18:25:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 382340 TO ITERATE

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96.9% PROCESSED 370566 ITERATIONS 1 ANSWERS
100.0% PROCESSED 382340 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.16

L3 1 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
189.24	189.46

FULL ESTIMATED COST

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FILE COVERS 1907 - 5 Nov 2009 VOL 151 ISS 19
FILE LAST UPDATED: 4 Nov 2009 (20091104/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2009

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

During November, try the new LSUS format of legal status information in the CA/CAPLUS family databases for free! Complete details on the number of free displays and other databases participating in this offer appear in NEWS 10.

=> s l3
L4 1 L3

=> d l4, ibib abs hitstr, 1
THE ESTIMATED COST FOR THIS REQUEST IS 5.64 U.S. DOLLARS
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L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2005:300191 HCAPLUS

DOCUMENT NUMBER: 142:373697

TITLE: Preparation of isoquinoline derivatives as potassium channel inhibitors

INVENTOR(S): Trotter, B. Wesley; Nanda, Kausik K.; Kett, Nathan R.; Dinsmore, Christopher J.; Ponticello, Gerald S.; Claremon, David A.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 115 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

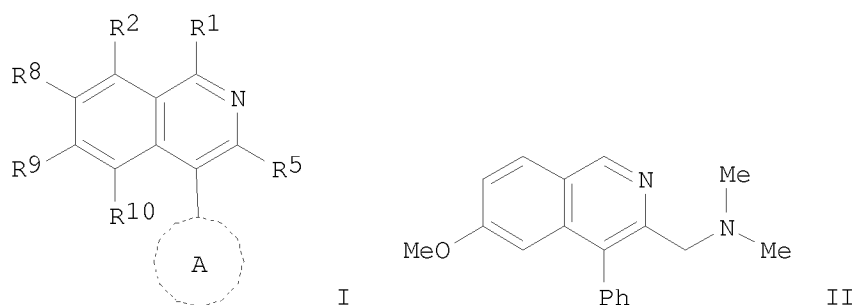
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2005030130	A2	20050407	WO 2004-US30486	20040917
WO 2005030130	A3	20060119		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004275720	A1	20050407	AU 2004-275720	20040917
AU 2004275720	B2	20080424		
CA 2539479	A1	20050407	CA 2004-2539479	20040917
EP 1667979	A2	20060614	EP 2004-784370	20040917
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
CN 1856475	A	20061101	CN 2004-80027385	20040917
JP 2007506743	T	20070322	JP 2006-528072	20040917
IN 2006DN00877	A	20070810	IN 2006-DN877	20060220
US 20060276450	A1	20061207	US 2006-572342	20060317
PRIORITY APPLN. INFO.:			US 2003-505143P	P 20030923
			WO 2004-US30486	W 20040917
OTHER SOURCE(S):	CASREACT 142:373697; MARPAT 142:373697			
GI				

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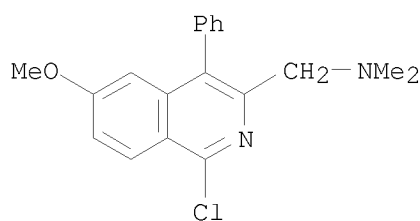
AB Title compds. represented by the formula I [wherein ring A = (un)substituted (hetero)aryl or heterocyclic ring; R1 = H, CN, halo, (alkyl)amino, etc.; R2, R8-R10 = independently H, halo, aminocarbonyl, etc.; R5 = H, halo, (cyclo)alkyl, etc.; and pharmaceutically acceptable salts, crystal forms or hydrates thereof] were prepared as potassium channel inhibitors. For example, Ni-catalyzed reduction of 1-chloro-6-methoxy-4-phenylisoquinoline-3-carbonitrile and followed by condensation with formaldehyde, gave II•2HCl. I provided $\geq 50\%$ inhibition at concentration $\leq 33 \mu\text{M}$ in the high-throughput Kv1.5 planar patch clamp assay and $\geq 25\%$ inhibition at concentration $\leq 25 \mu\text{M}$ in the AAS (atomic absorption spectroscopy) assay. Thus, I and their pharmaceutical compns. are useful as potassium channel inhibitors for the treatment of cardiac arrhythmias, and the like.

IT 849545-74-0P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of isoquinoline derivs. as potassium channel inhibitors)

RN 849545-74-0 HCAPLUS

CN 3-Isoquinolinemethanamine, 1-chloro-6-methoxy-N,N-dimethyl-4-phenyl- (CA INDEX NAME)



OS.CITING REF COUNT:	4	THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)
REFERENCE COUNT:	1	THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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